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Polyurethane resin-based porous complex for synthetic leather - comprises resin-based wet porous film of organic diisocyanate cpd. and polyol comprising polyether, polyester and polycarbonate having uniform pores perpendicular to base

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JP 7207052 A 19950808 JP 944071 A 19940119 199540 B

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JP 7207052 A 7 C08J-009/02

Abstract (Basic): JP 7207052 A

A polyurethane resin-based wet porous film , provided on a base material, *has uniform cylindrical pores* and its cylindrical axis is perpendicular to the base material. The polyurethane resin uses a mixt. of an organic diisocyanate cpd. and the following macromolecular polyol cpd. as a polyol component: (a) 30-80 wt.% polyether polyol; (b) 10-40 wt.% polycarbonate polyol; and (c) 5-40 wt.% polyester polyol. The polyurethane resin has a number average molecular wt. of 40000-200000. The pore has a dia. of 20-150 micrometres, pref. 30-60 micrometres. The polyurethane resin has a film thickness of 30-600 micrometres.

USE - The urethane resin-based porous complex is used for synthetic leather.

ADVANTAGE - The urethane resin-based porous complex has homogeneity in its appearance, flexibility and superior hydrolysis resistance and durability. No irregular colour is generated. The wet film and its surface are polished to obtain suede-like synthetic leather, having superior colour tone and flexibility. The polyurethane resin is useful for a raw material of a complex and for general polyurethane owing to its hydrolysis resistance.

Dwg.0/3

Title Terms: POLYURETHANE; RESIN; BASED; POROUS; COMPLEX; SYNTHETIC;
LEATHER; COMPRISE; RESIN; BASED; WET; POROUS; FILM; ORGANIC; DI;
ISOCYANATE; COMPOUND; POLY; OL; COMPRISE; POLYETHER; POLYESTER;
POLYCARBONATE; UNIFORM; PORE ; PERPENDICULAR; BASE

Derwent Class: A25; A82; F08; P73

International Patent Class (Main): C08J-009/02

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C08G-018/48; C08L-075-04; D06N-003/14; C08G-101-00

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